

FIG.1

COMMUNICATION APPARATUS

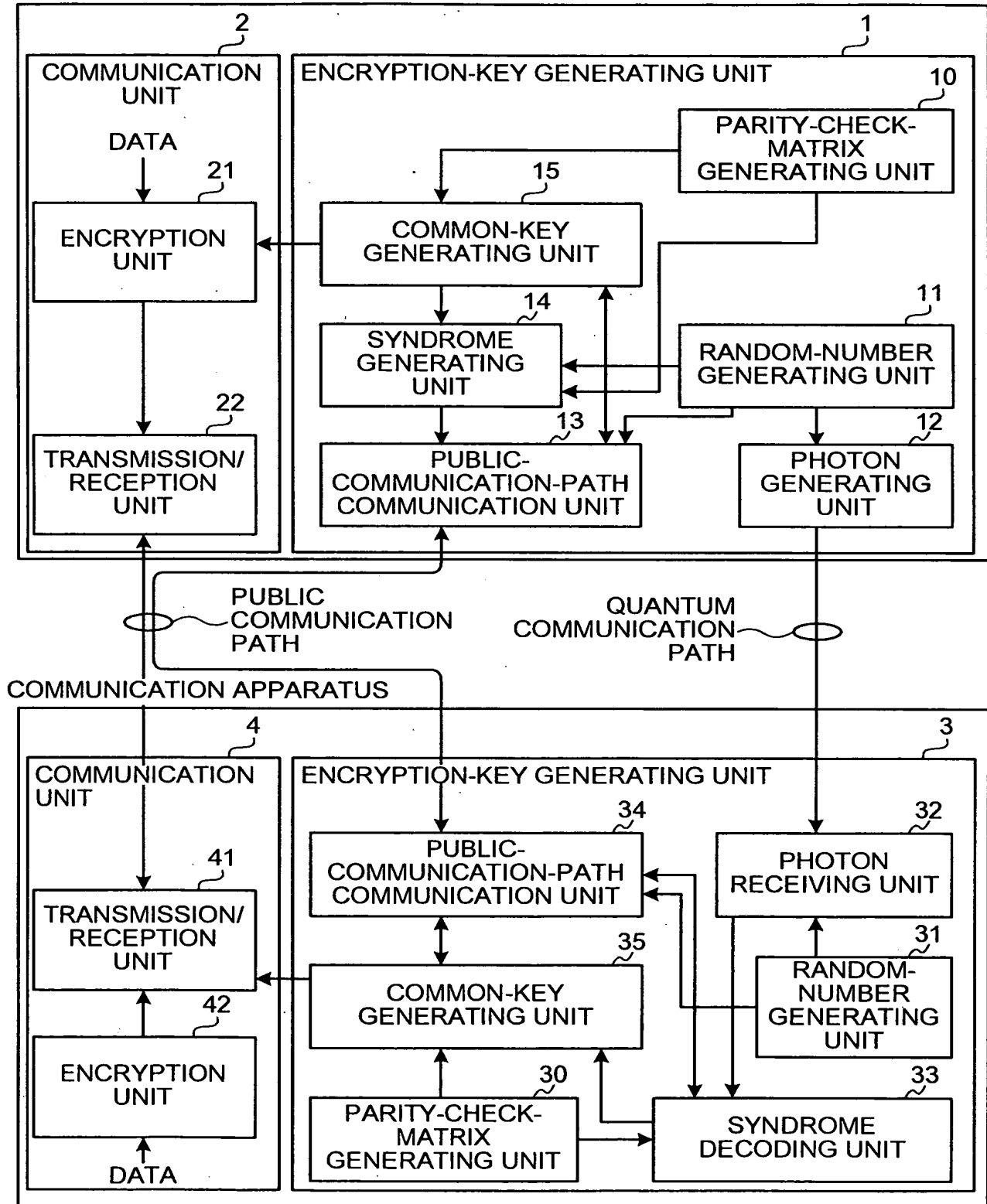


FIG.2

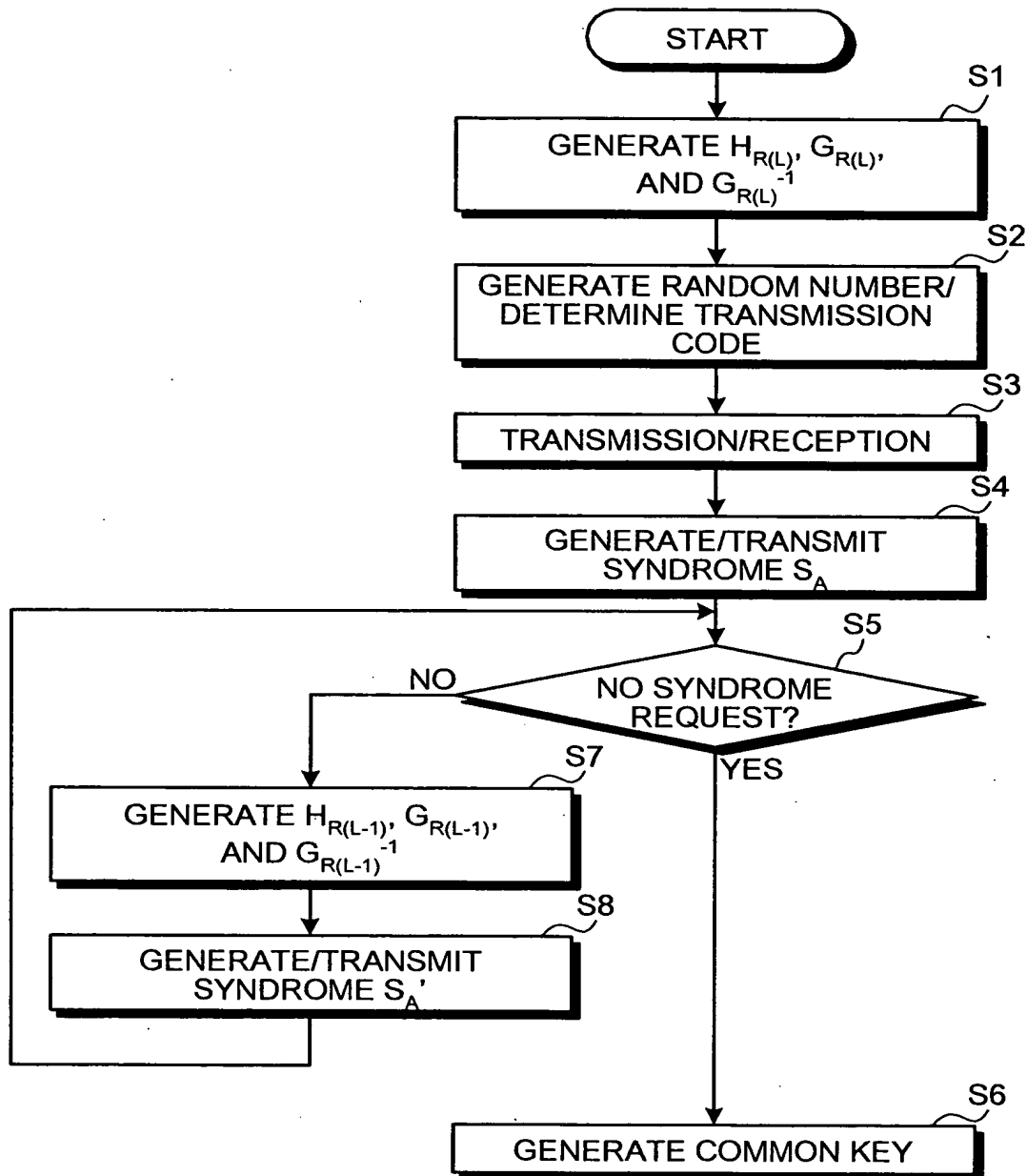


FIG.3

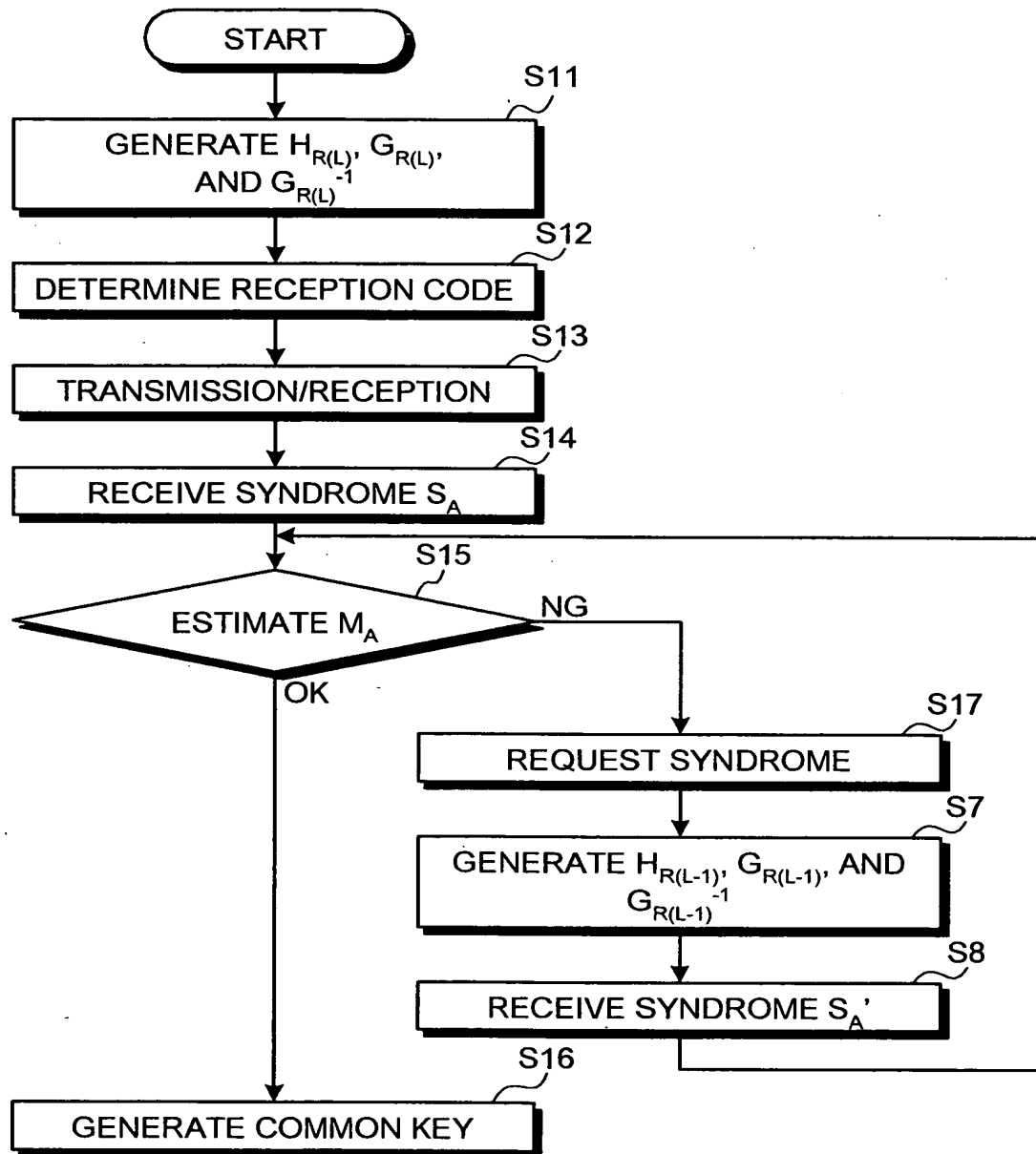


FIG.4

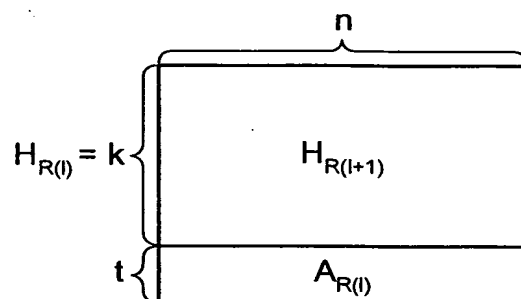


FIG.5

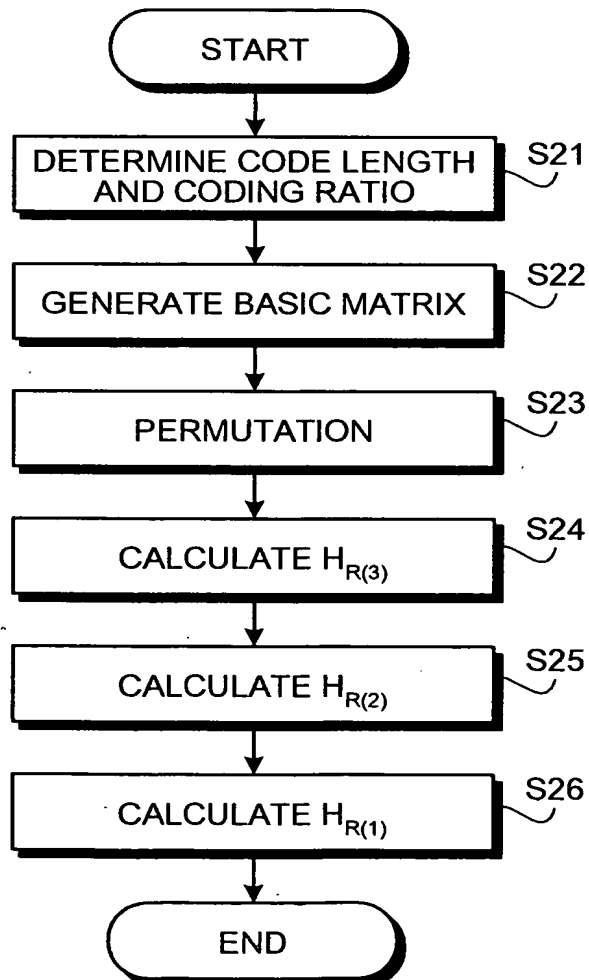


FIG.6

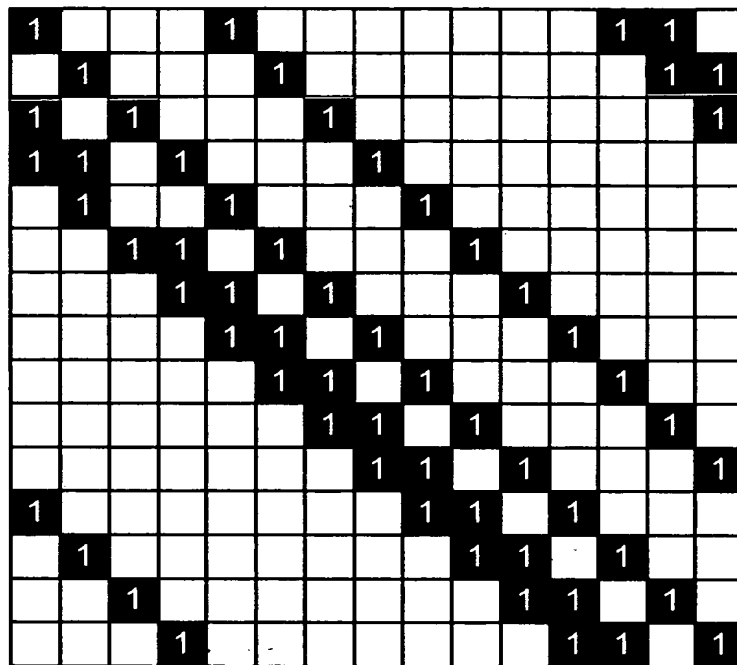


FIG.7

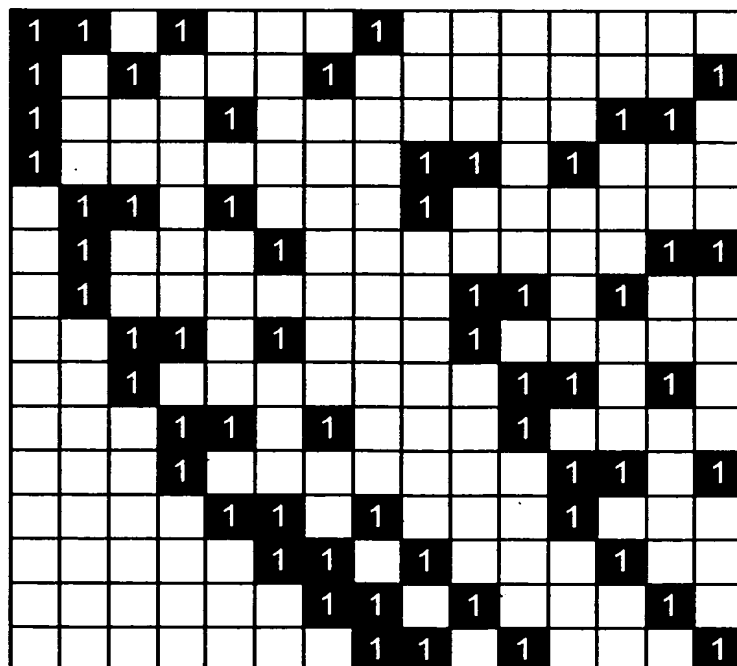


FIG.8

RATE	RATE=0.6
ORDER i	COLUMN ORDER RATIO $\lambda_i(R(I))$
1	
2	0.01
3	0.970022733
4	0.019977267
ORDER i	ROW ORDER RATIO $\rho_i(R(I))$
2	
7	7/15
8	8/15

FIG.9

$H_{R(l)}=0.6$	
ORDER i	COLUMN ORDER RATIO $\lambda_i(R(l))$ NUMBER OF COLUMNS $n_c(x,R(l))(m'=1000)$
1	
2	0.0372 279
3	0.8884 4442
4	0.0744 279
ORDER i	ROW ORDER RATIO $\rho_i(R(l))$ NUMBER OF ROWS $n_c(x,R(l))(m'=1000)$
2	
3	
7	7/15 1000
8	8/15 1000

FIG.10

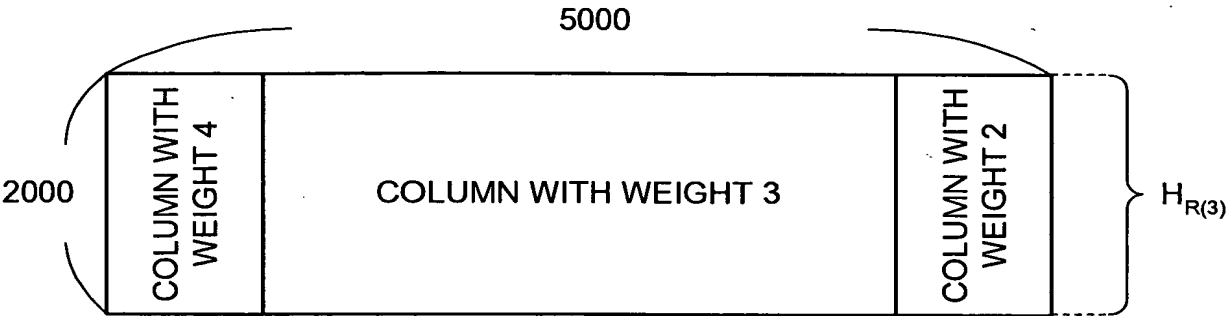


FIG.11

	$H_{R(l)=0.6}$		$H_{R(l-1)=0.4}$		$A_{R(l-1)=0.4}$
ORDER i	COLUMN ORDER RATIO $\lambda_i(R(l))$	NUMBER OF COLUMNS $n_c(x, R(l))$ ($m'=1000$)	COLUMN ORDER RATIO $\lambda_i(R(l-1))$	NUMBER OF COLUMNS $n_c(x, R(l-1))$ ($m'=1000$)	NUMBER OF COLUMNS
1					150 COLUMN IDENTICAL WITH $\lambda_3(R(l))$: 150
2	0.0372	279	0.0310	279	6 COLUMN IDENTICAL WITH $\lambda_3(R(l))$: 6
3	0.8884	4442	0.6133	3619	946 COLUMN IDENTICAL WITH $\lambda_4(R(l))$: 279 COLUMN IDENTICAL WITH $\lambda_3(R(l))$: 667
4	0.0744	279	0.0333	150	
5			0.0017	6	
6			0.2833	667	
7			0.0373	279	
ORDER i	ROW ORDER RATIO $\rho_i(R(l))$	NUMBER OF ROWS $n_r(x, R(l))$ ($m'=1000$)	ROW ORDER RATIO $\rho_i(R(l-1))$	NUMBER OF ROWS $n_r(x, R(l-1))$ ($m'=1000$)	
2					
3			3/18	1000	
7	7/15	1000	7/18	1000	
8	8/15	1000	8/18	1000	

FIG.12

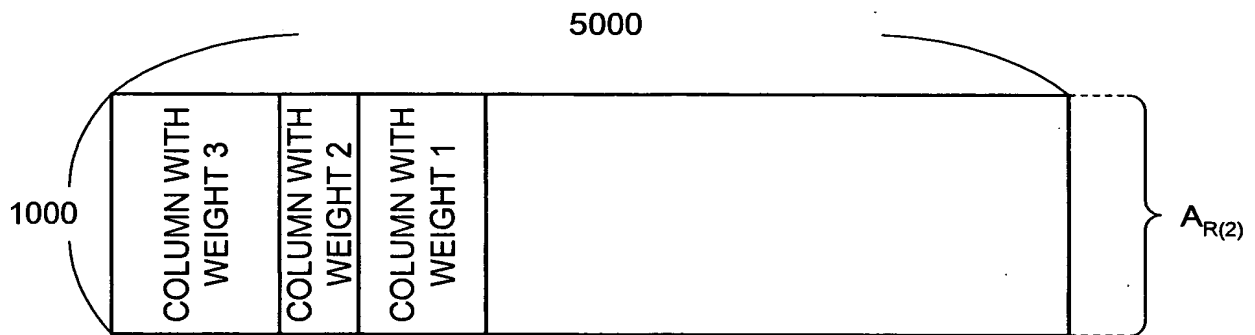


FIG.13

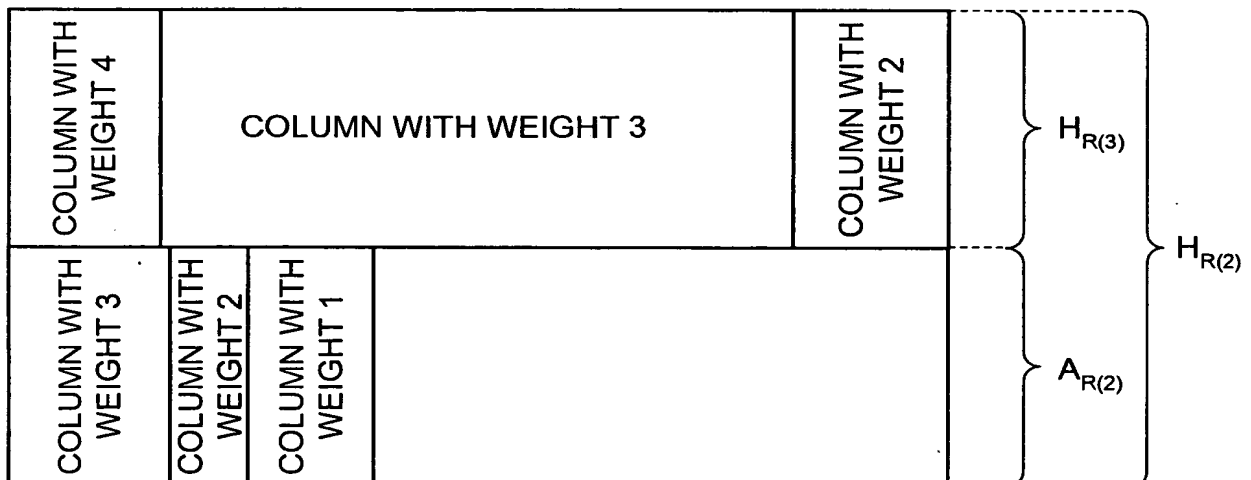


FIG.14

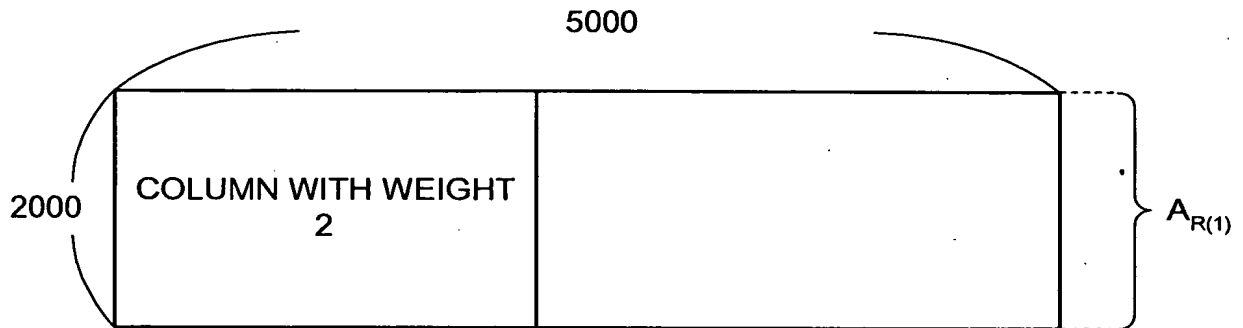


FIG.15

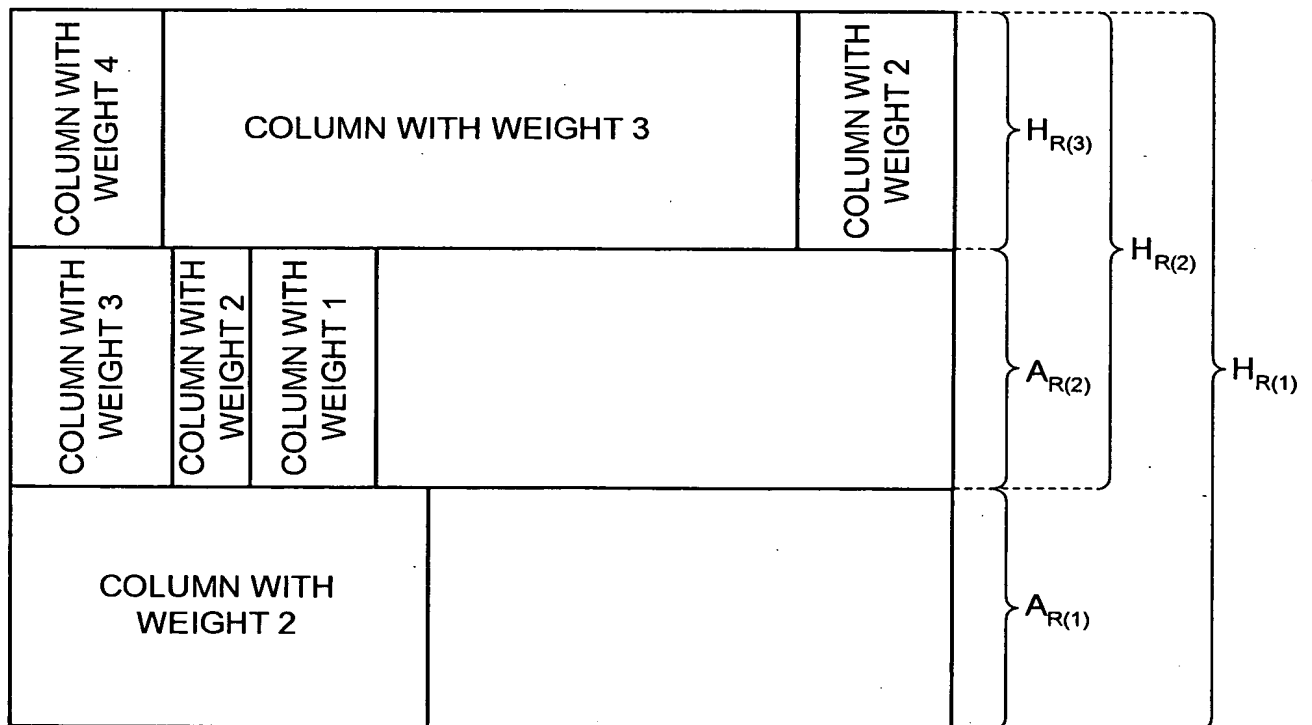


FIG.16

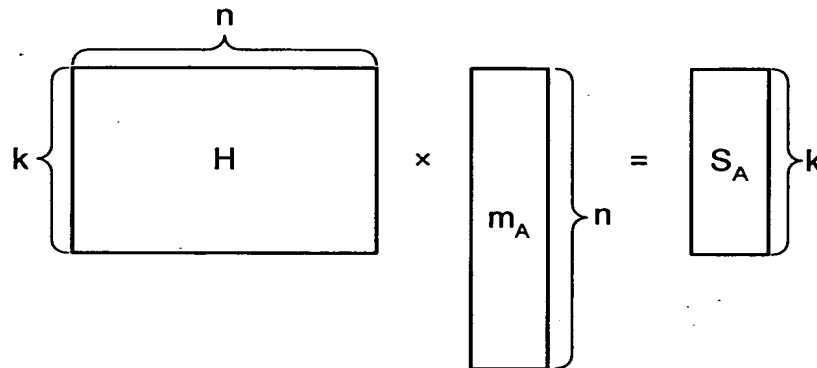


FIG.17

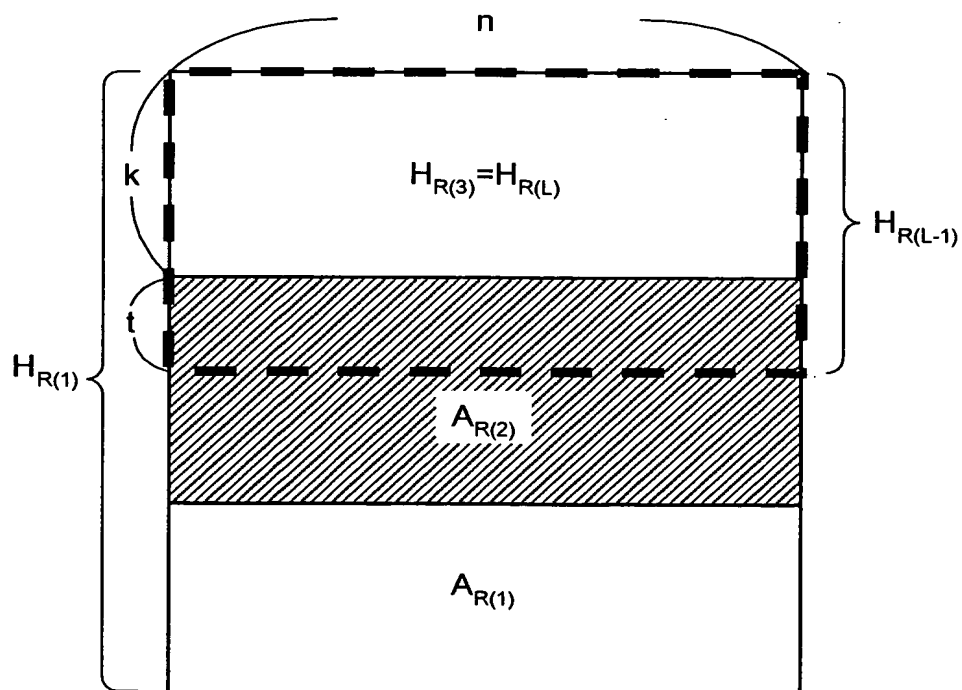


FIG.18

$$\begin{array}{c} \text{k} \\ \text{t} \end{array} \left\{ \begin{array}{c} \text{n} \\ \hline H_{R(L-1)} \end{array} \right\} \times \begin{array}{c} m_A \\ \text{n} \end{array} = \begin{array}{c} S_A \\ S'_A \end{array} \begin{array}{c} \text{k} \\ \text{t} \end{array}$$

FIG.19

